

Converting Colors

$Y_{xy}(21.7708, 0.3110, 0.4129)$

Have a look what the booklet for
Yxy(21.7708, 0.3110, 0.4129)
contains.

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Color

Yxy(21.6927, 0.3109, 0.4115)

Conversions

Conversions Part 1

Format	Color
Hex	638A61
RGB	99, 138, 97
RGB Percent	39%, 54%, 38%
CMY	0.6119, 0.4588, 0.6196
CMYK	0.28, 0.00, 0.30, 0.46
HSL	117°, 17%, 46%
HSV	117°, 30%, 54%
XYZ	16.3895, 21.6927, 14.6340
YIQ	121.6650, -10.0830, -21.0190

Conversions

Conversions Part 2

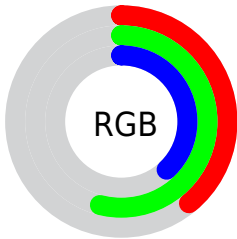
Format	Color
R_{YB}	97, 138, 136
Decimal	6523489
CIE _{Lab}	53.70, -22.13, 17.72
CIE _{LCh}	54, 28.353, 141.307
Yxy	21.6927, 0.3109, 0.4115
Android (android.graphics.Color)	4284713569 (0xFF638A61)
YUV	121.6650, -12.1598, -19.8772
Hunter-Lab	46.5754, -18.6945, 13.9739

Details

The Yxy color **21.6927, 0.3109, 0.4115** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.6241, 0.3134, 0.2574**, and the grayscale version is **19.3887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4167, 0.3121, 0.3920**, and **7.8878, 0.3070, 0.4501** is the 20% darker color. If you saturate the color by 10%, you get **20.7775, 0.3099, 0.4446**, and if you desaturate by 10%, it is **22.7749, 0.3117, 0.3807**.

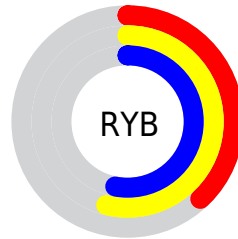
Distribution



Red (39%)

Green (54%)

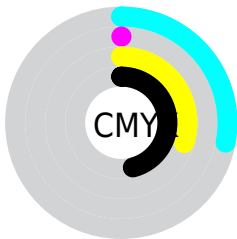
Blue (38%)



Red (38%)

Yellow (54%)

Blue (53%)

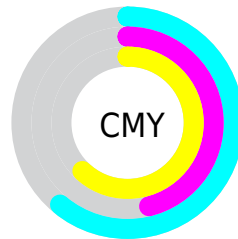


Cyan (28%)

Magenta (0%)

Yellow (30%)

Black (46%)



Cyan (61%)


Magenta (46%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6927, 0.3109, 0.4115 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 21.6927, 0.3109, 0.4115 by changing the saturation by 10% instead.


 21.6927, 0.3109,
0.4115


 21.6927, 0.3109,
0.4115


260.9373, 0.3130,
0.3632

 13.6313, 0.3097,
0.4267


 46.2376, 0.3121,
0.3918


 7.8647, 0.3075,
0.4487

 63.4898, 0.3124,
0.3851

 4.0085, 0.3030,
0.4830

 84.5744, 0.3126,
0.3797

 1.6783, 0.3016,
0.5607

 109.8758, 0.3127,
0.3752

 0.4095, 0.0000,
1.0000

139.7784, 0.3128,
0.3715

 0.0000, 0.0000,
0.0000

174.6666, 0.3129,

0.3683

214.9247, 0.3129,
0.3656

■ 21.6927, 0.3109,
0.4115

■ 21.6927, 0.3109,
0.4115

■ 20.7775, 0.3099,
0.4446

■ 22.7749, 0.3117,
0.3807

■ 20.0185, 0.3086,
0.4789

■ 24.0290, 0.3123,
0.3530

■ 19.4078, 0.3072,
0.5126

■ 25.4630, 0.3127,
0.3283

■ 18.9356, 0.3056,
0.5433

■ 27.0836, 0.3130,
0.3068

■ 18.5911, 0.3039,
0.5687

■ 28.8972, 0.3132,
0.2880

■ 18.3618, 0.3024,
0.5868

■ 30.9099, 0.3133,
0.2718

■ 18.2254, 0.3015,
0.5985

■ 33.1273, 0.3134,
0.2579

■ 18.2221, 0.3014,
0.5989

■ 35.5552, 0.3134,
0.2458

■ 38.1989, 0.3133,
0.2354

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.6927, 0.3607, 0.4214



21.6927, 0.3109, 0.4115



21.6927, 0.2639, 0.3724

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.6927, 0.3109, 0.4115



21.6927, 0.2303, 0.2530



21.6927, 0.4005, 0.3272

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.6927, 0.3109, 0.4115



15.6241, 0.3134, 0.2574

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.6927, 0.3599, 0.2897



21.6927, 0.3109, 0.4115



21.6927, 0.2611, 0.2483

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.6927, 0.3109, 0.4115



21.6927, 0.2200, 0.2778



21.6927, 0.3078, 0.2617



21.6927, 0.4150, 0.3676

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.6927, 0.3109, 0.4115



21.6927, 0.2402, 0.3381



21.6927, 0.3078, 0.2617



21.6927, 0.3893, 0.3141

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.6936, 0.3109, 0.4115



42.4723, 0.3123, 0.3516



23.8639, 0.3568, 0.3971



9.4585, 0.3123, 0.3550



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.6936, 0.3109, 0.4115



37.0643, 0.3102, 0.4347



21.9696, 0.2915, 0.3736



5.6189, 0.3123, 0.3515



16.7067, 0.3015, 0.5988



0.1123, 0.3086, 0.5932

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.6241, 0.3134, 0.2574



24.4865, 0.3134, 0.2405



15.3001, 0.3416, 0.2884



5.1170, 0.3130, 0.3074



6.1374, 0.3093, 0.1478



0.0425, 0.3155, 0.1512

Previews

White Background



This preview shows how the Yxy color 21.6927, 0.3109, 0.4115 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 21.6927, 0.3109, 0.4115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

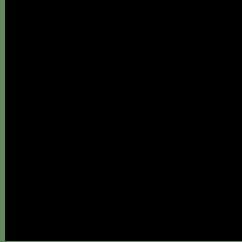
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.6927, 0.3109, 0.4115

Background



This preview shows how black text looks on a background with the Yxy color 21.6927, 0.3109, 0.4115.



This preview shows how white text looks on a background with the Yxy color 21.6927, 0.3109, 0.4115.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.6927, 0.3109, 0.4115

Protanopia

21.6143, 0.3662, 0.3931

Deuteranopia

21.5700, 0.3748, 0.3681



Tritanopia

21.6115, 0.2752, 0.3086

Trichromacy



Original Color

21.6927, 0.3109, 0.4115

Protanomaly

21.5958, 0.3444, 0.4002

Deuteranomaly

21.1645, 0.3492, 0.3823

Tritanomaly

21.4996, 0.2883, 0.3443

Monochromacy



Original Color

21.6927, 0.3109, 0.4115

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.2080, 0.3125, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6927, 0.3109, 0.4115 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(99, 138, 97)` looks like.

```
.text, #text, p{  
    color:rgb(99, 138, 97)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(99, 138, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 138, 97) }
```

Border

The CSS property to change the border of an element to Yxy 21.6927, 0.3109, 0.4115 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 138, 97) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(99, 138, 97) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(99, 138, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 138, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 138, 97);  
box-shadow:4px 4px 4px 4px rgb(99, 138,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6927, 0.3109, 0.4115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 138, 97) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(99, 138,  
97) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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